

# **Walchand College of Engineering**

*(Government Aided Autonomous Institute)*

**Vishrambag, Sangli. 416 415**



**Credit System for**

**T. Y. B. Tech. (Information Technology)**

**Sem-V and VI**

**Applicable to AY 2025-26 and onwards**

# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for Third Year B. Tech. (Information Technology) Sem.-V and VI

Applicable to AY 2025-26 and onwards

### Semester V

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
<b>Professional Core (Theory)</b>													
01	PCC	7IT301	Database Engineering	3	0	0	0	3	3	30	20	50	
02	PCC	7IT302	Computer Algorithms	3	0	0	0	3	3	30	20	50	
03	PCC	7IT303	Cryptography & Network Security	3	0	0	0	3	3	30	20	50	
<b>Professional Core (Lab)</b>													
04	PCC	7IT351	Database Engineering Lab	0	0	2	0	2	1	30	30	40	POE
05	PCC	7IT352	IT Practices Lab1: CA & CNS	0	0	2	0	2	1	30	30	40	
06	PCC	7IT353	Unix Operating System lab	1	0	2	0	3	2	30	30	40	POE
<b>Open Elective</b>													
07	OE	Refer List	Open Elective -1	2	0	0	1	3	3	30	20	50	
<b>Multi-Disciplinary Minor (MDM)</b>													
08	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50	
<b>Mandatory Courses</b>													
09	EEM	7EE301	Engineering Economics and Financial Management	2	0	0	0	2	2	30	20	50	
10	VSEC	7VSIT345	Mini-Project-2	0	0	2	0	2	1	30	30	40	OE
Total				16	0	8	2	26	22				



Mrs. B. S. Shetty  
DAC/Secretary, BoS



Dr. R. R. Rathod  
Head, Information Technology. Dept./  
Chairman, BoS



Dr. A.K. Kokane  
Dean Academics  
Dean Academics  
Walchand College of Engg.  
Vis: Walchand, Sangli - 416 415



# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for Third Year B. Tech. (Information Technology) Sem.-V and VI

Applicable to AY 2025-26 and onwards

### Semester VI

Sr. No.	Category	Course Code	Course Name	L	T	P	I	Hrs	Cr	MSE/LA1	ISE/LA2	ESE	Ext
<b>Professional Core (Theory)</b>													
01	PCC	7IT321	Artificial Intelligence	3	0	0	0	3	3	30	20	50	
02	PCC	7IT322	Digital Image Processing	3	0	0	0	3	3	30	20	50	
<b>Professional Core (Lab)</b>													
03	PCC	7IT371	IT Practices Lab2: AI & DIP	0	0	2	0	2	1	30	30	40	POE
04	PCC	7IT372	IT Practices Lab3: Web Technology	0	0	2	0	2	1	30	30	40	POE
05	PCC	7IT373	Parallel Computing Lab	1	0	2	0	3	2	30	30	40	
<b>Professional Elective</b>													
06	PEC	Refer List	Professional Elective -1	3	0	0	0	3	3	30	20	50	
<b>Open Elective</b>													
07	OE	Refer List	Open Elective -1	2	0	0	1	3	3	30	20	50	
<b>Multi-Disciplinary Minor (MDM)</b>													
08	MDM	Refer List	MDM	2	0	0	1	3	3	30	20	50	
<b>Mandatory Courses</b>													
09	VEC	7VE301	Environmental Science	2	0	0	0	2	2	30	20	50	
10	VSEC	7VSIT346	Mini-Project-3	0	0	2	0	2	1	30	30	40	OE
<b>Total</b>				<b>16</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>26</b>	<b>22</b>				



Mrs. B. S. Shetty  
DAC/Secretary, BoS



Dr. R. R. Rathod  
Head, Information Technology. Dept./  
Chairman, BoS



Dr. A.K. Kokane  
Dean Academics



**Dean Academics**  
Walchand College of Engg.  
Vishrambag, Sar. Jil - 416 415

# Walchand College of Engineering

(Government Aided Autonomous Institute)

## Credit System for Third Year B. Tech. (Information Technology) Sem.-V and VI

Applicable to AY 2025-26 and onwards

### Professional Elective Course List for T.Y. B.Tech. (Information Technology) Sem-VI AY 2025-26

Sr. No	Course Code	Course Name
Professional Elective-1		
01	7IT331	Internet of Things and AI Applications
02	7IT332	Data Analytics
03	7IT333	Distributed Systems
04	7IT334	Augmented Reality and Virtual Reality
05	7IT335	Advance Database Engineering

  
Mrs. B. S. Shetty  
DAC/Secretary, BoS

  
Dr. R. R. Rathod  
Head, Information Technology. Dept./  
Chairman, BoS

  
Dr. A.K. Kokane  
Dean Academics  
**Deen Academics**  
Walchand College of Enngg.  
V. Chavanbag, Sangli - 416 415